

NOTES:

1. MATERIALS AND FINISHES:

BODY - BRASS, WHITE BRONZE PLATING
SOLDER NUT - BRASS, GOLD PLATING
CONTACT - PHOSPHOR BRONZE, GOLD PLATING
INSULATOR - PTFE, NATURAL

2. ELECTRICAL:

A. IMPEDANCE: 50 OHM
B. FREQUENCY RANGE: 0-6 GHz
C. VSWR (RETURN LOSS): 1.3 MAX.
D. DIELECTRIC WITHSTANDING VOLTAGE: 2500 VRMS, MIN.

3. MECHANICAL:

A. DURABILITY: 500 CYCLES MIN.
B. TEMPERATURE RANGE: -65° C TO +165° C

4. CRIMPED CONTACT PIN HEX. CRIMP SIZE .100"

5. SHOWS CABLE ENTRY DIMENSIONS.

THIRD ANGLE PROJ.

4,1
[.161]

RECOMMENDED
CABLE STRIPPING DIM'S

SCALE 2.000

REV

DESCRIPTION

DATE

ECO

APPR

NC

INITIAL RELEASE

23-Oct-00

GRS

A

UPDATE DRAWING FORMAT, REVISE PLATING TO NEXCOTE

25-Jun-06

GRS

B

SYNC, UPDATED DRAWING FORMAT\N/A

24-Aug-16

01664

SH

Technical drawing of a Direct Solder Jack. The drawing includes a front view, a side view, and a detail view of the crimped contact pin. Dimensions are provided in both metric and imperial units.

Front View Dimensions:

- Thread: 5/8-24UNEF-2A
- Across Flats: 14.3 [.563]
- Overall Length: 26.7 [1.051]
- Stamp (if any)
- Overall Diameter: Ø 17 [.669]

Side View Dimensions:

- Length: 15.86 [.624]
- Pin Diameter: Ø 3.05 [.120]
- Pin Tolerance: Ø 1.5 [.039]

Detail View Dimensions:

- Pin Diameter: Ø 0.9 [.035]
- Pin Length: 1.64 [.065]
- Pin Tolerance: Ø 3.5 [.138]

Back View Dimensions:

- Thread: 5/8-24UNEF-2A
- Across Flats: 9.5 [.374]
- Overall Length: 10.5 [.413]
- Overall Diameter: Ø 4.67 [.184]
- Pin Diameter: Ø 3.64 [.143]

CUSTOMER OUTLINE DRAWING
ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE: <0.5mm ± 0.05mm 0.5 - 6mm ± 0.1mm 6 - 30mm ± 0.2mm 30 - 120mm ± 0.3mm ANGLES ± 1° NOTICE - These drawings, specifications, or other data (1) are, and remain the property of Amphenol corp. (2) must be returned upon request; and (3) are confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. the furnishing of these drawings, specifications, or other data by Amphenol Corp., or to any other person to anyone for any purpose is not to be regarded by implication or otherwise in any manner licensing, granting rights to permitting such holder or any other person to manufacture, use or sell any product, process or design, patented or otherwise, that may in any way be related to or disclosed by said drawings, specifications, or other data.	MATERIAL	DRAWN	DATE	TITLE		Amphenol RF www.amphenolrf.com	
	-	M. ZHANG	24-Aug-16				
	-	ENGINEER	DATE				
	REFERENCE AND	S. LI	03-Dec-10	N DIRECT SOLDER JACK (FOR .141" SEMI RIGID CABLE)		DRAWING NO. N6181A1-AX3GT5GP-141-50	
	CONFIGURATION LEVEL: In Work	APPROVED	DATE	SCALE: 4.0:1.0	SHEET 2 OF 2	ITEM NO.	036181AAA42WK5F
FINISH		S. HSIEH	24-Aug-16	DWG SIZE B	REV B	PART NO.	172238
		CAD FILE					

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